ArtixScan 2500f

2500dpi A4 Pre-Press Scanner

FireWire

SCSI

Main Features

- **42-bit Kodak CCD (4.4DMax)**
  The Kodak CCD delivers pre-press levels of details in highlight and shadow areas plus highly accurate colour values compared to many other scanners in this class.

- **FireWire and SCSI-II Ports**
  Includes SCSI (Mac & Win) and FireWire card (Win) plus cables.

- **Adjustable Medium Format Holder**
  The 6cm glass-free holder is now adjustable to fully support all medium format sizes including 6 x 4.5cm, 6 x 6cm, 6 x 7cm and 6 x 9cm films.

- **Glass-Free Transparency Unit**
  Emulsion Direct Imaging Technology (E.D.I.T) allows scanning directly through film with NO glass eliminating Newton Ring distortion. Glass-free scanning delivers very sharp results.

- **Anti-Newton Ring Glass**
  Glass-free scanning delivers the best scans but some film (eg. panoramic) must be scanned via the universal glass holder. This holder now features Anti-Newton Ring glass, usually seen on scanners costing over twice the price.

- **Mac OS X and Windows XP Compliant**
  SilverFast Ai Pro 6 is fully compatible with Mac OS X (in native mode) and Windows XP. Plug-in is fully Adobe Photoshop 7 compliant.

- **SilverFast Ai® Pro 6 with Scratch & Dust Removal**
  SilverFast Ai Pro is a professional scanning solution that delivers brilliant scans from the ArtixScan 2500f. Includes dust & scratch removal, ICC calibration, grain reduction and adaptive colour restoration (see page 3 to 5).

- **Two Year Total Support**
  Total Support offers 24 months telephone support and swap-out service should the hardware fail in the 2 year period.

SilverFast® 6

SRD - Scratch and Dust Removal

High-End Features

- Many high-priced scanners today use the same Kodak CCD used in the ArtixScan 2500f. This scanner, however, costs a fraction of the price.
- A unique cooling system called Flotherm™, optimises the sensitivity of the CCD by maintaining a constant temperature within the scanner.
- Low flare lenses and mirrors reduce unwanted distortions and ensure maximum tonal range from your scans.
- Vibrations at 2,500 dpi can ruin a scan. The AS2500 eliminates this with it's innovative 3D Anti-Vibration System.
- Scanning transparencies without the interference of glass results in visibly sharper results with increased colour accuracy.

For more information:
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Glass-Free Transparency Scanning

See The E.D.I.T. Difference

Microtek's patented E.D.I.T. (Emulsion Direct Imaging Technology) allows images to be captured directly from the emulsion surface of the film originals without an interfering pane of glass. The result is distortion free images, diminished light refraction, and elimination of "Newton Rings" - those annoying and extremely hard-to-remove concentric circles that result from scanning a transparency through a glass plate.

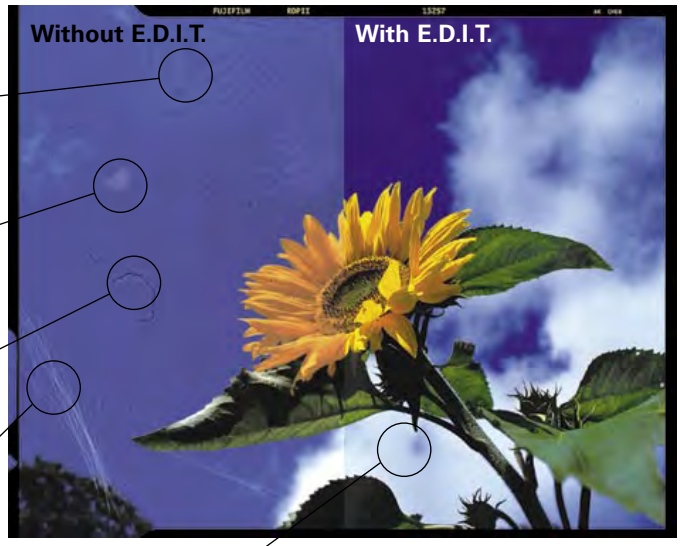
The image below illustrates the difference with and without E.D.I.T. The image scanned with E.D.I.T. is clearly superior - preserving all the detail, clarity and colour depth of the original transparency.

Newton Rings
An image retoucher's nightmare, these can take hours to remove and really cut into your design schedules.

Fingerprints
These will show up frequently on your scanner's glass bed unless it is regularly cleaned with special glass cleaner.

Dust and fine hair
These have a habit of appearing all too often - even on freshly blown and dusted film surfaces.

Scratches
Over time, it's hard to avoid scratches building up on glass. If the scratches are on your film, E.D.I.T. keeps them to a minimum.



Picture Perfect
E.D.I.T. delivers a much clearer picture. Note the enhanced clarity and overall colour quality. As the film is scanned directly and not through a glass pane, annoying Newton rings and distortions are nowhere to be seen.

ARTIXSCAN 2500f SPECIFICATIONS

SCANNING AREA
Reflective:
Standard: 203mm x 356mm
Hi Res: 101.6mm x 356mm
Transparency:
Standard: 203mm x 304.8mm
Hi Res: 101.6mm x 304.8mm

OPTICAL RESOLUTION
Standard: 1250 x 1250dpi
High Res: 2500 x 2500dpi

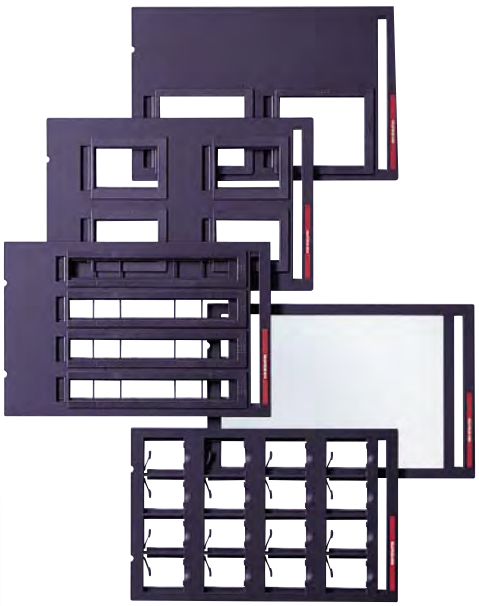
BIT DEPTH
True 42-bit colour

OPTICAL DENSITY
4.4Dmax

DIMENSIONS
675mm (L) x 485mm (W) x 240mm (H)

INTERFACE
FireWire & SCSI-II

LIGHT SOURCE
Cold-Cathode Lamp



MINIMUM SYSTEM REQUIREMENTS

MACINTOSH:
FireWire: Mac with built-in FireWire support, Mac OS 9.x/OS X v10.1.3
SCSI: PowerPC (non iMac), Mac OS 8.1 through 9.x, OS X v10.1.3

WINDOWS:
FireWire: Pentium II PC with PCI slot, Windows 98SE/2000/Me/Xp
SCSI: Pentium processor, Win 95/98/2000/Me/Xp or NT 4.0.

IN THE BOX

- Four Glass-Free Transparency Templates
- Universal Holder with Anti-Newton Ring Glass
- PCI FireWire Card (Win)
- PCI SCSI Card (Mac & Win)
- SCSI, FireWire and Power Cables
- LaserSoft® Silverfast Ai® Pro 6
- IT-8 Calibration Targets
(Reflective and Transparency)

GLASS-FREE TEMPLATES

Included:
- 35mm Slide Holder
- 35mm Strip Holder
- Adjustable 6cm Holder (6x4.5 to 6x9cm)
- Large Format 5 x 4 inch Holder
- 12 x 8 inch Universal Film Holder
- Incorporating Anti-Newton Ring Glass

Microtek has won more awards and has a history of more scanning innovations than anyone else in the desktop scanner industry.

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SilverFast® 6

SRD - Scratch and Dust Removal

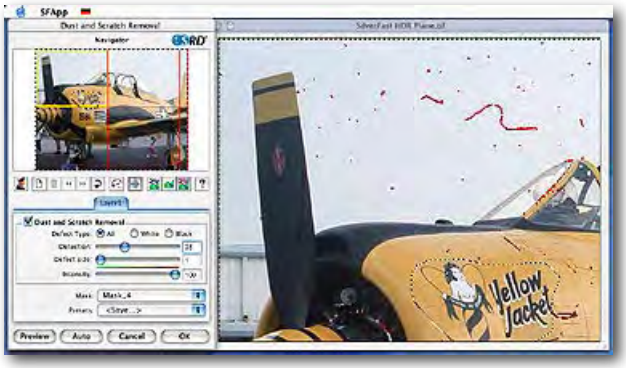
Scanning Software
for Macintosh & Windows

"... a totally new experience beyond any imagined expectations."
Shutterbug April '99

SilverFast SRD - Dust & Scratch Removal

SRD is a software-based dust and scratch removal system which has been integrated into the scanning workflow. A real-time window selection helps to quickly find the optimum settings for the SRD controls.

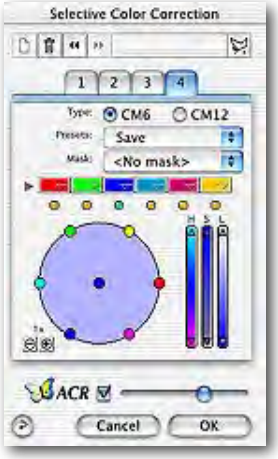
Dust and scratches are highlighting in red. Real-time selection controls help to quickly find the best possible setting. Any image details that might be affected by SRD can comfortably be excluded by using masks.



ACR - Adaptive Colour Restoration

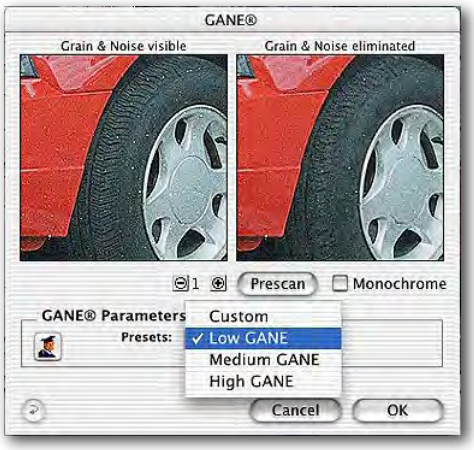
SilverFast ACR brings back faded out colours or normalizes over-saturated colours. Whilst this is an easy-to-use, autpmatic function, a slider adds individual control to increase or decrease colour saturation.

ACR can also be used in conjunction with the Selective Colour Correction. Any setting that has been chosen can now be influenced with the ACR function (e.g. if you have chosen your corrections but want more or less saturation), just use the ACR slider.



GANE - Grain & Noise Elimination

GANE substantially reduces artefacts from noise or film grain. Grain becomes more noticable at higher resolutions with high speed film. The SilverFast GANE filter uses three simple steps to reduce the negative effects of grain and includes a slider for fine tuning.



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Predictable Colour

In the process of colour reproduction, it has always been difficult to get an exact match between final scan and what you see in the scan software's preview. SilverFast Ai 6 solves this with a unique integration into the Adobe® Photoshop® colour management environment. The colours you see in the Preview are exactly the colours you get on the final scan.

SilverFast Ai Preview

Final Scan

Stand-Alone Application

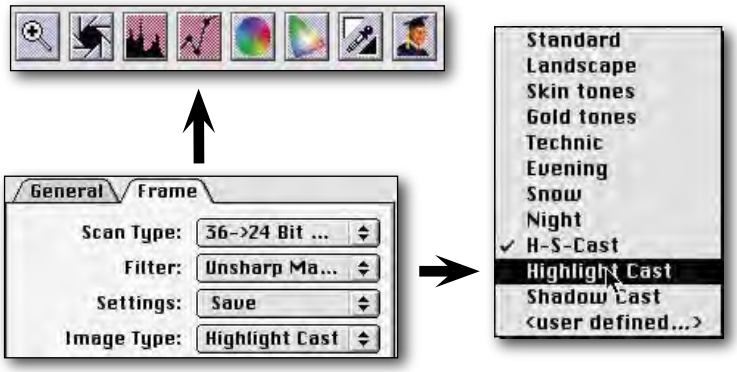
SilverFast can now be operated by its own Stand-Alone application in addition to the existing Photoshop and Twain Plug-in. SilverFast's Stand-Alone application "SF_App" brings total independence to SilverFast. Working under Mac and PC, no other application is required for scanning.

QuickTime Movies Online Training

SilverFast is the first imaging software to supply 1:1 Quicktime movies with sound as online training. On line learning dramatically reduces the time required to learn SilverFast's many powerful functions.

Powerful Automatic Image Adjustment

SilverFast Ai's powerful auto-adjust works with artificial intelligence and can handle the majority of tasks involving image enhancement.



The Auto-Adjust can be easily configured to any situation, as in the above example where a highlight colour cast needs to be eliminated from the image. Highlight min and max values can be preset under the "Option-Dialog" and adjusted to any production requirement. Whatever the task, with one click, the user can achieve an optimised image quickly.

Brilliant Sharpness

SilverFast Ai has the best sharpness function (USM) available. Sharpness is a significant feature for brilliant images but controlling it can be difficult. Again, SilverFast Ai makes it easy to see the effect by presenting a before and after image.

Maximum Dynamic Range

Achieving maximum dynamic range is crucial for the best possible quality. SilverFast Ai works internally with a 16 bit colour space to ensure no information from the ArtixScan is lost. In combination with the ArtixScan's high sensitivity Kodak CCD and glass-free scanning, a very accurate pre-press quality result is assured.

CMYK SoftProof

By getting the image right before scanning, a great deal of time can be saved. CMYK Softproof allows the output colours to be viewed and optimised prior to scanning. Simply selecting the required ICC profile allows the output colours to be viewed in the Prescan window.

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Professional Colour Correction

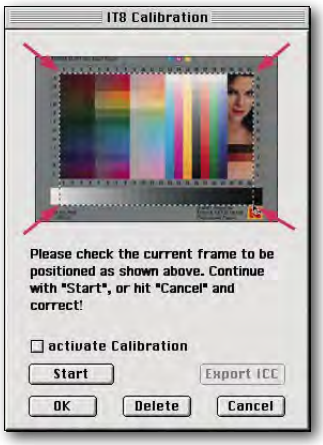
Selective colour correction has always been an important tool for high-end colour reproduction. It gives the operator the ability to change individual colours without effecting other colours of the image.

LaserSoft Imaging has improved selective colour correction, making it as intuitive and easy to use as any other tool of SilverFast Ai. SilverFast Ai can even combine its selective colour correction with "Simple Masking" and up to four layers to make very complex corrections possible directly on the SilverFast Ai preview.

Original image

Same image after Selective Colour Correction

Integrated IT-8 Calibration



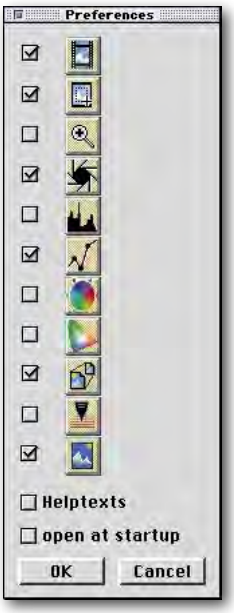
IT-8 Calibration is the industry standard for scanner calibration. SilverFast Ai Pro has integrated the IT8 Calibration so the user can immediately run through the calibration process. SilverFast Ai's colour management implementation complies with all colour spaces in accordance with the highest colour management standards while remaining in full harmony with Adobe® Photoshop®.

NegaFix - Negative Scanning Made Easy

Negatives are perhaps the most complex films to scan. NegaFix not only makes this insanely easy, but is highly accurate too with over 120 preset film types. To scan a negative follow these simple steps:

1. Select film manufacturer eg. Agfa
2. Select film type eg. HDC Plus
3. Select film speed and adjust exposure if required

SilverFast Ai offers full manual control of this process if required.



ScanPilot

Pre-press scanning used to require professional skills. SilverFast Ai changed all that and now even first time scanner users can achieve brilliant results by using ScanPilot.

ScanPilot guides the user through the steps required to deliver a perfect image.

Nothing comes close to delivering this level of ease of use.

Other SilverFast Ai Features

- Adobe® Photoshop® & TWAIN compliant
- Macintosh & Windows compliant
- Mac OS X and Windows XP compliant
- Selective Colour to Grey conversion
- RGB, CMYK & LAB compliant
- Fully ICC compliant
- Real-time image correction feedback
- Batch scanning support
- Unlimited undos
- Drag & Drop scanning support
- Multiple densitometers
- Prescan zoom facility

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